

## II. CLAIM AMENDMENTS

1. (Currently Amended) A method for maintaining a ~~first~~ data transmission connection ~~from between a terminal and an~~ application server connected to a telecommunication network, said method comprising:

~~establishing the setting up at least a second data~~ transmission connection between said terminal and said application server by using a packet data telecommunications service of the telecommunication network as a bearer service;

~~establishing a circuit-switched telecommunications~~ connection between said terminal and said telecommunication network;

~~interrupting the first-packet data transmission connection~~ for the time of the circuit-switched telecommunications ~~second data transmission connection;~~ automatically

setting up a message for maintaining the ~~first~~ data transmission connection between said terminal and said application server in connection with establishing setting up the circuit-switched telecommunications second data transmission connection; and ~~automatically wherein~~ ~~starting the~~ setting up of the message maintaining the ~~first~~ data transmission connection is started in the terminal.

2. (Currently Amended) The method according to claim 1, further comprising:

generating said message for maintaining the ~~first~~ data transmission connection in the terminal, and transmitting said message for maintaining the ~~first~~ data transmission connection from the terminal to the application server ~~telecommunication network~~.

3. (Currently Amended) The method according to claim 1, further comprising:

sending information about interrupting the first data transmission connection from the terminal to the application server;

starting the setting up of ~~generating~~ said message for maintaining the first data transmission connection in the application server ~~telecommunication network, and starting the setting up of said message for maintaining the first data transmission connection by sending information about interrupting the first data transmission connection from the terminal to the telecommunication network.~~

4. (Currently Amended) The method according to claim 1, further comprising:

receiving ~~the~~ a message to set up the circuit-switched telecommunications ~~second data transmission connection in the terminal;~~

transmitting a message replying to the request to set up a the circuit-switched telecommunications ~~second data transmission connection from the terminal to the telecommunication network;~~ and

transmitting said message for maintaining the first data transmission connection before transmitting said reply message.

5. (Currently Amended) The method according to claim 1, wherein for setting up the circuit-switched telecommunications ~~second data transmission connection~~ comprises the user of the terminal selecting a telephone number, and transmitting said maintenance message after the selection of the telephone number, before setting up of the circuit-switched telecommunications ~~second data transmission connection.~~

6. (Currently Amended) The method according claim 1, wherein the telecommunication network communicates with a local area network, and further comprising setting up the ~~first~~ data transmission connection from the terminal to a server coupled to said local area network, wherein the telecommunication network transmits said maintenance message to said server.

7. (Currently Amended) The method according to claim 1, wherein the telecommunication network communicates with the Internet data network, and further comprising setting up the ~~first~~ data transmission connection from the terminal to a server communicating with said Internet network, wherein the telecommunication network transmits said maintenance message to said Internet data network.

8. (Previously Presented) The method according to claim 1, wherein said maintenance message is supplemented with a "No Operation" command.

9. (Cancelled)

10. (Original) The method according to claim 1, wherein said terminal is a wireless terminal, and said telecommunication network is a mobile communication network.

11. (Currently Amended) A terminal which comprises:  
means for ~~setting up~~ establishing a data transmission connection to an application server connected to a telecommunication network by using a packet data telecommunications service of the telecommunication network as a bearer service;

means for ~~establishing~~ setting up a circuit-switched telecommunications first data transmission connection between the telecommunication network and said terminal;

~~means for setting up a second data transmission connection between the telecommunication network and said wireless terminal, and~~

means for interrupting the first-packet data transmission connection for the time of the circuit-switched telecommunications ~~second data transmission connection, and wherein the terminal further comprises at least~~

means for automatically starting the setting up of a message for maintaining the first-data transmission connection between the terminal and the application server in connection with setting up establishing the circuit-switched telecommunications ~~second data transmission connection.~~

12. (Currently Amended) The terminal according to claim 11, wherein the means for starting the setting up of a message for maintaining the first-data transmission connection comprise means for generating a message for maintaining the first-data transmission connection and means for transmitting the message for maintaining the first-data transmission connection.

13. (Currently Amended) The terminal according to claim 11, wherein ~~said message for maintaining the first data transmission connection is arranged to be generated in the telecommunication network, wherein~~

the means for starting the setting up of a message for maintaining the first-data transmission connection comprise means for transmitting information about interrupting the first-data transmission connection to the application server telecommunication network for generating said message for maintaining the data transmission connection.

14. (Currently Amended) The terminal according to claim 11, which further comprises:

means for receiving a message requesting for setting up of the circuit-switched telecommunications ~~second—data transmission—~~connection, and means for transmitting the message in response to the request for setting up the circuit-switched telecommunications ~~second—data transmission—~~connection to the telecommunication network, wherein the means for transmitting the message for maintaining the ~~first—data transmission~~ connection comprise means for transmitting said maintenance message before transmitting said reply message.

15. (Currently Amended) The terminal according to claim 11, which further comprises:

means for selecting a telephone number,  
means for adding the selected telephone number to the message for setting up the circuit-switched telecommunications ~~second—data transmission—~~connection, and  
means for transmitting the message requesting for setting up of the circuit-switched telecommunications ~~second—data transmission—~~connection to the telecommunication network, wherein

the means for transmitting the message for maintaining the ~~first—data transmission~~ connection comprise means for transmitting said maintenance message before transmitting said message requesting for setting up of the circuit-switched telecommunications ~~second—data transmission—~~connection.

16. (Previously Presented) The terminal according to claim 11, wherein said terminal is a wireless terminal.

17. (Currently Amended) The terminal according to claim 11, wherein said terminal comprises a data processor, and that said means for setting up the message for maintaining

the ~~first~~-data transmission connection are arranged in said data processor.

18. (Currently Amended) A communication system which comprises:

at least one telecommunication network, at least one application server coupled to the telecommunication network and at least one terminal;

7 means for setting up a ~~first~~-data transmission connection between the application server~~telecommunication network~~ and said terminal by using a packet data telecommunications service of the telecommunication network as a bearer service,

means for setting up a circuit-switched telecommunications ~~second data transmission~~ connection between the telecommunication network and the terminal,

means for interrupting the ~~first~~-packet data transmission connection for the time of the circuit-switched telecommunications ~~second data transmission~~ connection,

means for setting up a message for maintaining the first data transmission connection between the application server and said terminal; and

means for automatically starting the setting up of the message maintaining the ~~first~~-data transmission connection in connection with setting up of the circuit-switched telecommunications ~~second data transmission~~ connection.

19. (Previously Presented) The communication system according to claim 18, further comprising a local area network, at least one server coupled to a local area network, means for setting up a data transmission connection between the telecommunication network and the local area network, and means for transmitting said maintenance message from the telecommunication network to said server.

20. (Currently Amended) The communication system according to claim 18, wherein the terminal comprises means for selecting a telephone number, means for adding the selected telephone number to the message for setting up the circuit-switched telecommunications ~~second data transmission~~ connection, and means for transmitting the message for setting up the circuit-switched telecommunications ~~second data transmission~~ connection to the telecommunication network, wherein the means for transmitting the message for maintaining the ~~first data transmission~~ connection comprise means for transmitting said maintenance message before the transmission of said message of requesting for setting up of the circuit-switched telecommunications connection~~second data transmission~~ message.

21. (Previously Presented) The communication system according to claim 18, wherein said maintenance message is supplemented with a "No Operation" command.

22. (Previously Presented) The communication system according to claim 18, wherein said terminal is a wireless terminal, and said telecommunication network is a mobile communication network.

23. (Cancelled)

24. (New) A computer program product, stored on a computer readable medium and executable in a data processing device, for maintaining a data transmission connection between a terminal and an application server connected to a telecommunication network, the computer program product comprising:

a computer program code section for establishing a data transmission connection to an application server connected

to a telecommunication network by using a packet data telecommunications services of the telecommunication network as a bearer service;

a computer program code section for establishing a circuit-switched telecommunications connection between the telecommunication network and said terminal;

a computer program code section for interrupting the packet data transmission connection for the time of the circuit-switched telecommunications connection; and

a computer program code section for automatically starting the setting up of a message for maintaining the data transmission connection between the terminal and the application server in connection with establishing the circuit-switched telecommunications connection.